

Attorney's Docket No. 741135-9

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Juergen LINDNER

Application No.: 09/613,627

Filed: July 11, 2000

For: RELUCTANCE MOTOR WITH
GEARLESS STEP-DOWN WITHOUT
ELECTRONIC CONTROL OF
ROTATING FIELD

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Group Art Unit: 2834

Examiner: Tamai

By Telefax To: 703 305-1341

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Hawkins
5/31/01PRELIMINARY AMENDMENTCommissioner for Patents
Washington, D.C. 20231

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Sir:

Please enter the following amendments preliminary to examination of the above-referenced patent application.

In the Claims:

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1. (Amended) Reluctance motor with a stator comprising a three-phase current stator winding with a number of poles for generating a rotary magnetic field without electronic switching, coils being assigned to each of the three phases with a center plane of each of the coils being on an axis of the reluctance motor, and a rotor which is located on a shaft and is made primarily of a ferromagnetic material, the rotor having a predetermined number of angular regions of a like peripheral angular extent which adjoin one another in a circumferential direction of the rotor; wherein slots receiving the three-phase current stator windings are partially closed by circumferentially extending portions of the stator itself; wherein the stator has a preset number of angular regions of the same peripheral angular extent which adjoin one another in a circumferential direction of the stator; wherein each of the predetermined number of angular regions of the rotor has at least one pair of flux guidance regions facing the stator, the flux guidance regions having flux guidance properties which differ in a main direction of the rotary magnetic field; wherein each of the preset number of angular regions of the stator has at least one pair of flux guidance regions facing the rotor which have flux guidance properties which differ in the main direction of the rotary